

Active Recombinant Human KSR2 Mutant (R676S), GST-tagged

Cat. No. KSR2-83H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KSR2 (R676S) (554-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	554-end a.a.
Description	KSR2 or kinase suppressor of Ras 2 specifically regulates the activity of MEKK3 and COT but not other members of the MAP3K family. KSR interacts with a regulatory Raf molecule in cis to induce a conformational switch of MEK, facilitating MEK's phosphorylation by a separate catalytic Raf molecule in trans.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	The specific activity was determined to be 48 nmol/min/mg
Molecular Mass	~72 kDa
Purity	>70% by densitometry.
Applications	Kinase Assay

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Storage Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Concentration 0.1 $\mu\text{g}/\mu\text{l}$

GENE INFORMATION

Gene Name [KSR2 kinase suppressor of ras 2 \[Homo sapiens \]](#)

Official Symbol KSR2

Synonyms KSR2; kinase suppressor of ras 2; kinase suppressor of Ras 2; FLJ25965;

Gene ID [283455](#)

mRNA Refseq [NM_173598](#)

Protein Refseq [NP_775869](#)

MIM [610737](#)

UniProt ID [Q6VAB6](#)

Chromosome Location 12q24.22-q24.23

Function ATP binding; metal ion binding; protein serine/threonine kinase activity; transferase activity, transferring phosphorus-containing groups;

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